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JAPANESE PATENT OFFICE

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## PATENT ABSTRACTS OF JAPAN

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**H04N 1/19****H04N 1/04****H04N 1/401****H04N 5/335**(21) Application number: **08125748**(71) Applicant: **TOSHIBA CORP**(22) Date of filing: **21.05.96**(72) Inventor: **MAKINO TOMONORI**(54) **IMAGE INPUT DEVICE**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To compensate a signal even in the case of using a strong light source by controlling drive of a photoelectric conversion means thereby changing the exposure period of the photoelectric conversion means.

**SOLUTION:** In the case of conducting signal compensation, a drive timing of a CCD by the special scan system is switched. A shift pulse signal S21 is made up of a pulse where two periods of a scan A with the same scanning period as the usual scanning and a scan B with a shorter scan period are repeated. Furthermore, a frequency of a clock signal S22 is changed depending on the scan so that the same number of pulse signals is generated between the two periods of scan A and scan B. An output A corresponding to the scan A of a CCD output S23 reaches a saturated point similarly to the case with the usual scan, but the output B corresponding to the scan B does not reach the saturated point. Then the signal is compensated by sampling the output B at that time.

